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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 4

Complete if Known

Application Number	10/647,801
Filing Date	August 25, 2003
First Named Inventor	Liotta et al.
Group Art Unit	1621
Examiner Name	Unassigned
Attorney Docket Number	18085.105233 EMU 2010 CON

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U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code (if known)			
LCM	AA	5,103,002	A	Wieland	04-07-1992	
LCM	AB	5,110,987	A	Liotta et al.	05-05-1992	
LCM	AC	5,122,450	A	Feizi et al.	06-16-1992	
LCM	AD	5,190,876	A	Merrill	03-02-1993	
LCM	AE	5,232,837	A	Merrill et al.	08-03-1993	
LCM	AF	5,430,169	A	Boumendjel et al.	06-04-1995	
LCM	AG	5,440,012	A	Takei et al.	08-08-1995	
LCM	AH	5,459,057	A	Merrill et al.	10-07-1995	
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LCM	AJ	5,488,166	A	Hudlicky	01-30-1996	
LCM	AK	5,518,879	A	Merrill et al.	05-21-1996	
LCM	AL	5,599,914	A	Wiegand Herbert et al.	02-04-1997	
LCM	AM	5,610,040	A	Smeets et al.	03-11-1997	
LCM	AN	5,616,577	A	Nambi et al.	04-01-1997	
LCM	AO	5,635,536	A	Lyons	06-03-1997	
LCM	AP	5,672,693	A	Kawahara	09-30-1997	
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LCM	AR	5,910,425	A	De Boer et al.	06-08-1999	
LCM	AS	5,916,911	A	Shayman et al.	06-29-1999	
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LCM	AX	6,610,835	B1	Liotta et al.	08-26-2003	

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		Office ²	Number	Kind Code ³ (if known)				
LCM	AY	JP	1-93562			04-12-1989		
LCM	AZ	EP	0,556,962	A1	Orosz (Rich. Ged. Veg. Gy. RT)	08-25-1993		
LCM	AAA	EP	0,560,267	A1	Beaulieu (Bio-Mega; Boehringer)	09-15-1993		

Examiner
Signature

Ligh C. Maier

Date
Considered

11-19-04

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Submitted for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/647,801
		Filing Date	August 25, 2003
		First Named Inventor	Llotta <i>et al.</i>
		Group Art Unit	1621
		Examiner Name	Unassigned
		Attorney Docket Number	18085.105233 EMU 2010 CON
Sheet	2	of	4

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		Office ²	Number	Kind Code ³ (if known)				
LCM	BA	EP	0,666,268	A1	Akimoto <i>et al.</i>	08-09-1995		
LCM	BB	EP	0,675,112	A1	Hunt (Bristol-Myers Squibb)	10-04-1995		
LCM	BC	EP	0,821,068		Rohm & Haas	01-28-1998		
LCM	BD	WO	87/02777	A1	Feizi <i>et al.</i> (Res. Corp. Ltd.)	05-07-1987		
LCM	BE	WO	95/29189	A1	Al-Obeidi <i>et al.</i> (Selectide Corp)	11-02-1995		
LCM	BF	WO	97/26891		Beiersdorf	07-31-1997		
LCM	BG	WO	97/47194	A1	Babu <i>et al.</i> (Biocryst Pharm.)	12-18-1997		
LCM	BH	WO	97/10817		Univ. Michigan	03-27-1997		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
*	BI	BENNUN <i>et al.</i> , <i>Infect. & Immun.</i> , 57:969-974 (1989).	
*	BJ	BELL, R., <i>et al.</i> <i>Cold Spr. Harbor Sym. Quant. Biol.</i> 53:103 (1988).	
LCM	BK	BUEHRER, B.M., and BELL, R.M., "Inhibition of sphingosine kinase <i>in vitro</i> <i>J. Biol. Chem.</i> 267(5):3154-3159 (February 15, 1992).	
*	BL	BUEHRER and BELL, <i>Adv. Lipid Res.</i> 6:59-67 (1993).	
LCM	BM	CARTER, S.R., <i>et al.</i> , "Enzymatic sulfation of mucus glycoprotein in gastric mucosa," <i>J. Biol. Chem.</i> , 263(24):11977-11964 (August 25, 1988).	
LCM	BN	CROSSMAN, M.W., and HIRSCHBERG, C.B., "Biosynthesis of phytosphingosine by the rat," <i>J. Biol. Chem.</i> , 252(16):5815-5819 (August 25, 1977).	
LCM	BO	DESAI, K., <i>et al.</i> , "Fumonisin analogs as inhibitors of ceramide synthase and inducers of apoptosis," <i>Biochem. Biophys. Acta</i> , 1585(2-3):188-192 (December 30, 2002).	
*	BP	FARKAS-HIMSLEY <i>et al.</i> , <i>Proc. Natl. Acad. Sci. (USA)</i> 92:6996-7000 (1995).	
*	BQ	HAKOMORI, <i>J. Biol. Chem.</i> 265:18713-18716 (1990).	
*	BR	HANNUN <i>et al.</i> , <i>J. Bio. Chem.</i> 261:12604-12609 (1986).	
*	BS	HANNUN, <i>J. Biol. Chem.</i> 269:3125-3128 (1994).	
*	BT	HANNUN and OBEID, <i>Trends Biochem. Sci.</i> 20:73-77 (1995).	
*	BU	<i>J. Urol.</i> , 155(5):653A, Abst. 1367 (1996).	
*	BV	JACEWICZ <i>et al.</i> , <i>J. Clin. Invest.</i> 96:1328-1335 (1995).	
*	BW	JEFFERSON, A. and SCHULMAN, H., <i>J. Biol. Chem.</i> 263:15241 (1988).	

Examiner Signature	Lugh C. Main	Date Considered	11-19-04
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Sheet 3 of 4	Attorney Docket Number	18085.105233 EMU 2010 CON	

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
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LCM	CA	KARLSSON, K. A., <i>Chem. Phys. Lipids</i> , 5:6-43 (1970).	
LCM	CB	KAWAI, G., <i>et al.</i> , "Stimulatory effect of certain plant sphingolipids on fruiting of <i>Schizophyllum commune</i> ," <i>J. of Biol. Chem.</i> , 261(2):779-784 (1986).	
LCM	CC	KENNEDY, K.J., <i>et al.</i> , "Asymmetric synthesis of non-natural homologues of lysine," <i>Bioorg. Med. Chem. Lett.</i> , 7(14):1937-1940 (1997).	
LCM	CD	KEUSCH <i>et al.</i> , <i>Infect. & Immun.</i> 63: 1138-1141 (1995).	
LCM	CE	KOLESNICK, <i>Cell</i> 77:325-328 (1994).	
LCM	CF	MERRILL <i>et al.</i> , <i>Fungal Lipids</i> (R. Prasad and M. Ghanoum, eds.), CRC Press, Boca Raton, FL (1995).	
LCM	CG	MERRILL and WANG, <i>Methods Enzymol.</i> , 209:427-437 (1992).	
LCM	CH	MERRILL <i>et al.</i> , <i>J. Biol. Chem.</i> 261:3764-3769 (1986).	
LCM	CI	MERRILL & SWEELEY, "Sphingolipids: metabolism and cell signalling," <i>New Comprehensive Biochemistry: Biochemistry of Lipids, Lipoproteins, and Membranes</i> , (Vance, D.E. & Vance, J.E., eds.), pp. 309-338, Elsevier Science, Amsterdam (1996).	
LCM	CJ	MINN, A. J., <i>et al.</i> , <i>Blood</i> 86: 1903-1910 (1995).	
LCM	CK	MINN, A. J., <i>et al.</i> , <i>Nature</i> , 385: 353-357 (1997).	
LCM	CL	MORRISON, <i>Biochim. Biophys. Acta.</i> , 176:537-546 (1969).	
LCM	CM	MUCHMORE, S. W., <i>et al.</i> , <i>Nature</i> , 381: 335-341 (1996).	
LCM	CN	NILSSON, A., <i>Biochim. Biophys. Acta.</i> 164:575-584 (1968).	
LCM	CO	Patent Abstracts of Japan, vol. 095, no. 002, (March 31, 1995).	
LCM	CP	PITTET, D., <i>et al.</i> , <i>J. Biol. Chem.</i> 262:10072 (1987).	
LCM	CQ	ROBSON <i>et al.</i> , <i>J. Lipid Res.</i> 35:2060-2068 (1994).	
LCM	CR	SCHMELZ <i>et al.</i> , <i>Journal of Nutrition.</i> 124:702-712	
LCM	CS	SCHMITZ, B., <i>et al.</i> , "Determination of structural elements of the L2/HNK-1 carbohydrate epitope required for its function," <i>Glycoconjugate J.</i> , 11(4):345-352 (1994).	
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LCM	CU	THOMPSON, <i>et al.</i> , <i>Biochem. Pharmacol.</i> 56: 591-597, 1998.	
LCM	CV	WADDELL, S.T., <i>et al.</i> , "Chimeric azalides with functionalized western portions," <i>Heterocycles</i> , 43(11):2325 (1996).	
LCM	CW	WELLS, G. B. and LESTER, R.L., <i>J. Biol. Chem.</i> , 258:10200-10203 (1983).	
LCM	CX	WILSON <i>et al.</i> , <i>J. Biol. Chem.</i> 261:12616-12623 (1986).	
LCM	CY	WINICOV, I. and GERSHENGORN, M., <i>J. Biol. Chem.</i> 263:12179 (1988).	

Examiner Signature	Leigh C. Mair	Date Considered	11-19-04
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LCM	DA	WIPF, P., and HENNINGER, T.C., "Solid-phase synthesis of peptide mimetics with (E)-alkene amide bond replacements derived from alkenylaziridines," <i>J. Org. Chem.</i> , 62(6):1586-1587 (1997).		
LCM	DB	WU et al., <i>J. Biol. Chem.</i> 268:13830-13837 (1993).		

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Examiner Signature	Leigh C. Maier	Date Considered	11-19-04
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